

Electrolytes Having Improved Stability

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Abstract of the Invention

The invention provides an electrochemical cell having an electrolyte which comprises a solute, a solvent, and an additive. The additive is a dialkylamide. The dialkylamide lessens the extent of decomposition of the solute, which is a lithium salt. The ionic species of the lithium salt are thereby preserved. The additive also prevents damage to active material by absorbing excess charge energy below the breakdown potential of the active material.

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